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Proxim Products At A Glance:

Tsunami Multipoint and MP.11 Product Families



Product	Tsunami MP.11 Model 5054	Tsunami MP.11 Model 5054-R		Tsunami MP.11 Model 2454-R	
Integrated Antenna or Connectorized*	Connectorized	Connectorized	Integrated Antenna	Connectorized	Integrated Antenna
Over-the-Air-Data Rate	36 Mbps	36 Mbps	36 Mbps	36 Mbps	36 Mbps
Frequency Band (GHz)	5.15 to 5.35 GHz; 5.47 to 5.725 GHz; 5.725 to 5.850 GHz	5.25 to 5.35 GHz; 5.47 to 5.725 GHz; 5.725 to 5.850 GHz		2.400 to 2.497 GHz	2.400 to 2.497 GHz
Frequency Channel Plans (Non-Overlapping)	Americas (FCC): 5.25 to 5.35 GHz (3 channels) Americas (FCC): 5.725 to 5.850 GHz (5 channels) Europe (ETSI): 5.47 to 5.725 GHz (11 channels) Europe (Russia): 5.15 to 5.85 GHz (21 channels) Europe (Licensed in the UK): 5.725 to 5.850 GHz (4 channels)	Americas (FCC): 5.25 to 5.35 GHz (15 channels) Americas (FCC): 5.725 to 5.850 GHz (21 channels) Europe (ETSI): 5.47 to 5.725 GHz (46 channels) Europe (Russia): 5.15 to 5.850 GHz (82 channels) Europe (Licensed in the UK): 5.725 to 5.850 GHz (21 channels)		Americas (FCC): 2.4 to 2.4835 GHz (13 channels) Europe (ETSI): 2.4 to 2.4835 GHz (13 channels) Japan (MKK): 2.4 to 2.497 GHz (14 channels)	
Uplink Interface	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Chassis Type	IDU plus antenna	All ODU or IDU plus antenna	All ODU	All ODU or IDU plus antenna	All ODU
Output Power (at maximum setting)	5.15 to 5.35 GHz: 16 dBm (max) for 6-36 Mbps with 20 MHz channel 5.47 to 5.725 GHz: 16 dBm (max) for 6-36 Mbps with 20 MHz channel 5.725 to 5.850 GHz: 18.5 dBm (max) for 6-36 Mbps with 20 MHz channel Output Power Attenuation: 0 to 18dB, in 3 dB steps	5.15 to 5.35 GHz: 15 dBm for 6-24 Mbps and 13 dBm for 36 Mbps with 20 MHz channel 5.47 to 5.725 GHz: 16 dBm for 6-24 Mbps and 13 dBm for 36 Mbps with 20 MHz channel 5.725 to 5.850 GHz: 16 dBm for 6-24 Mbps and 13 dBm for 36 Mbps with 20 MHz channel Output Power Attenuation: 0 to 18dB, in 3dB steps		Americas (FCC): 2.4 to 2.4835 GHz (13 channels) for 36 Mbps with 20 MHz channel Output Power Attenuation: 0 - 18 dB, in 3dB steps	
Threshold	20 MHz Turbo channel: -85 to -81 dBm for 12 to 36 Mbps 20 MHz channel: -87 to -76 dBm for 6 to 36 Mbps	20 MHz Turbo channel: -85 dBm to -75 dBm for 12 to 72 Mbps 20 MHz channel: -88 to -77 dBm for 6 to 36 Mbps 10 MHz channel: -91 to -80 dBm for 3 to 18 Mbps 5 MHz channel: -94 to -83 dBm for 1.5 to 6 Mbps		20 MHz Turbo channel: N/A 20 MHz Turbo channel: -91 to -79 dBm for 6 to 36 Mbps 10 MHz channel: -94 to -82 dBm for 3 to 18 Mbps 5 MHz channel: -97 to -85 dBm for 1.5 to 9 Mbps	
Management	SNMPv2c, Telnet and CLI , HTTP	SNMPv2c, Telnet and CLI , HTTP		SNMPv2c, Telnet and CLI , HTTP	
Subscriber Unit Roaming	Yes	Yes	Yes	Yes	Yes
Bandwidth Management	Bi-directional Rate-Limiting (64kbps increment)	Bi-directional Rate-Limiting (64kbps increment)		Bi-directional Rate-Limiting (64kbps increment)	
Security	WEP and AES Encryption	WEP and AES Encryption		WEP and AES Encryption	
QoS	No	No	No	No	No
Net Throughput	28 Mbps (31 Mbps in Turbo Mode)	28 Mbps (31 Mbps in Turbo Mode)		21 Mbps (Turbo Mode not available)	
No. of Subscribers per BSU	250	250	250	250	250
Active Interference Rejection	No	No	No	No	No
SU-to-SU blocking	Yes	Yes	Yes	Yes	Yes
Dynamic Data Rate Selection	Yes	Yes	Yes	Yes	Yes
Bridging & IP Routing Modes	Yes	Yes	Yes	Yes	Yes
VLAN (802.1q) Support	Yes	Yes	Yes	Yes	Yes
IP/RIP v2 per BSU	Yes (1 subnet per subscriber unit)	Yes (1 subnet per subscriber unit)		Yes (1 subnet per subscriber unit)	
NAT/DCHP per SU	Yes	Yes	Yes	Yes	Yes
Power over Ethernet	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
Warranty	1 year	1 year	1 year	1 year	1 year
Order Number	BSU: 5054-BSU; SU: 5054-SU; RSU: 5054-RSU	BSU: 5054-BSUR; SU: 5054-SUA	SU: 5054-SUR	BSU: 2454-BSUR; SU: 2454-SUA	SU: 2454-SUR

[1] Non IEEE 802.3af compliant

*External Antenna Connector

Proxim Products At A Glance: Tsunami Multipoint and MP.11 Product Families

Product	Tsunami Multipoint 20	Tsunami Multipoint 60		Tsunami Multipoint A.I.R. 20	Tsunami Multipoint A.I.R. 60
Integrated Antenna or Connectorized*	Integrated Antenna	Integrated Antenna	Connectorized	Integrated Antenna	Integrated Antenna
Over-the-Air-Data Rate	20 Mbps	60 Mbps	60 Mbps	20 Mbps	60 Mbps
Frequency Band (MHz)	5.725 to 5.85 GHz	5.725 to 5.85 GHz	5.725 to 5.85 GHz	5.725 to 5.85 GHz	5.725 to 5.85 GHz
Frequency Channel Plans (Non-Overlapping)	5.725 to 5.85 GHz supports 6 channels	5.725 to 5.85 GHz supports 6 channels		5.725 to 5.85 GHz supports 6 channels	5.725 to 5.85 GHz supports 6 channels
Uplink Interface	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Chassis Type	All ODU	All ODU	All ODU or IDU plus antenna	All ODU	All ODU
Output Power (at maximum setting)	BSU: 18dBm into 18dBi antenna SU: 15dBm into 20dBi antenna	BSU: 18dBm into 18dBi antenna SU: 15dBm into 20dBi antenna	BSU: 18dBm SU: 15dBm	BSU: 18dBm into 18dBi antenna SU: 15dBm into 20dBi antenna	BSU: 18dBm into 18dBi antenna SU: 15dBm into 20dBi antenna
Threshold	-89dBm	-77dBm for 60Mbps; -81dBm for 40Mbps; -86dBm for 30Mbps; -89dBm for 20Mbps		-89dBm	-77dBm for 60Mbps; -81dBm for 40Mbps; -86dBm for 30Mbps; -89dBm for 20Mbps
Management	CLI, SNMP MIB (via SNMP Toolkit)	CLI, SNMP MIB (via SNMP Toolkit)		CLI, SNMP MIB (via SNMP Toolkit)	CLI, SNMP MIB (via SNMP Toolkit)
Subscriber Unit Roaming	No	No	No	No	No
Bandwidth Management	N/A	N/A	N/A	N/A	N/A
Security	Proprietary Encoding and Passwords	Proprietary Encoding and Passwords		Proprietary Encoding and Passwords	Proprietary Encoding and Passwords
QoS	2 Priority Queues (IP ToS)	2 Priority Queues (IP ToS)	2 Priority Queues (IP ToS)	2 Priority Queues (IP ToS)	2 Priority Queues (IP ToS)
Net Throughput	18 Mbps	54 Mbps	54 Mbps	18 Mbps	54 Mbps
No. of Subscribers per BSU	1,023	1,023	1,023	1,023	1,023
Active Interference Rejection	No	No	No	Yes	Yes
SU-to-SU blocking	Yes	Yes	Yes	Yes	Yes
Dynamic Data Rate Selection	No	No	No	No	No
Bridging & IP Routing Modes	Yes	Yes	Yes	Yes	Yes
VLAN (802.1q) Support	Yes	Yes	Yes	Yes	Yes
IP/RIP v2 per BSU	Yes (1 subnet per subscriber unit)	Yes (1 subnet per subscriber unit)		Yes (1 subnet per subscriber unit)	Yes (1 subnet per subscriber unit)
NAT/DCHP per SU	No	No	No	No	No
Power over Ethernet	Yes[2]	Yes[2]	Yes[2]	Yes[2]	Yes[2]
Warranty	1 year	1 year	1 year	1 year	1 year
Order Number	BSU: 301-40400-25; SU: 301-40100-252	BSU: 301-40400-65; SU: 301-40100-652	BSU: 301-40400-65C; SU: 301-40100-65C	BSU: 301-40400-25R; SU: 301-40100-252	BSU: 301-40400-65R; SU: 301-40100-652

[1] Requires separate purchase of Proxim AE 3af DC Power Injector, or use with switch that supports IEEE 802.3af

[2] Power over Ethernet injector is included with the SU but sold seperately for the BSU

[3] Non IEEE 802.3af compliant

*External Antenna Connector

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